

# Claims

[c1] What is claimed is:

1.A system for displaying data with a mobile phone on a display device comprising:

an image transferring apparatus for connecting to a computer and the mobile phone comprising:

a housing;

a receiving module installed inside the housing for receiving data from the computer;

a memory installed inside the housing for storing data from the computer;

a control module for controlling the image transferring apparatus; and

an outputting module for outputting data to the mobile phone;

a video transferring apparatus for connecting to the mobile phone and the display device comprising:

a receiving module for receiving data from the mobile phone;

a control module for controlling the video transferring apparatus;

a transferring module for transferring data from the receiving module of the video transferring apparatus into a

video signal; and  
an outputting module for outputting the video signal transferred by the transferring module to the display device.

- [c2] 2.The system of claim 1 wherein the image transferring apparatus further comprises an image capturing module electrically connected to the control module of the image transferring apparatus for capturing an image.
- [c3] 3.The system of claim 2 wherein the image capturing module is a digital camera for capturing digital images to the image transferring apparatus.
- [c4] 4.The system of claim 1 wherein the receiving module of the image transferring apparatus comprises a receiving port for connecting to a transmit port of the computer and transmitting data to the transmit port of the computer.
- [c5] 5.The system of claim 4 wherein the receiving port is a USB interface.
- [c6] 6.The system of claim 1 wherein the outputting module of the image transferring apparatus comprises an outputting port for connecting to a transmit port of the mobile phone and transmitting data to the transmit port of the mobile phone.

- [c7] 7.The system of claim 6 wherein the outputting port is pop-port interface.
- [c8] 8.The system of claim 6 wherein the outputting port is USB OTG interface.
- [c9] 9.The system of claim 1 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone with the Bluetooth wireless network protocol.
- [c10] 10.The system of claim 1 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone by infrared technology.
- [c11] 11.The system of claim 1 wherein the video transferring apparatus further comprises a memory for storing data received by the receiving module of the video transferring apparatus.
- [c12] 12.The system of claim 1 wherein the display device is a television.
- [c13] 13.The system of claim 1 wherein the display device is a monitor.
- [c14] 14.The system of claim 1 wherein the display device is a projector.

- [c15] 15.A method for displaying data with a mobile phone comprising:
- (a) providing an image transferring apparatus for receiving data;
  - (b) transmitting data received by the image transferring apparatus to the mobile phone;
  - (c) providing a video transferring apparatus for receiving data from the mobile phone and transferring data from the mobile phone to a video signal; and
  - (d) transmitting the video signal transferred by the video transferring apparatus to a display device and showing the data on the display device.
- [c16] 16.The method of claim 15 wherein in step (a) the image transferring apparatus receives image data from a computer.
- [c17] 17.The method of claim 15 wherein in step (a) the image transferring apparatus receives image data from an image capturing module.
- [c18] 18.The method of claim 15 wherein the display device is a television.
- [c19] 19.The method of claim 15 wherein the display device is a monitor.

- [c20] 20.The method of claim 15 wherein the display device is a projector.
- [c21] 21.The method of claim 15 wherein the image transferring apparatus further comprises:  
a receiving module for receiving data;  
a memory for storing the receiving data;  
a control module for controlling the image transferring apparatus; and  
an outputting module for outputting data to the mobile phone;
- 22.The method of claim 21 wherein the receiving module of the image transferring apparatus is a USB interface.
- [c22] 23.The method of claim 21 wherein the outputting module of the image transferring apparatus is a pop-port interface.
- [c23] 24.The method of claim 21 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone with the Bluetooth wireless network protocol.
- [c24] 25.The method of claim 21 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone by infrared technology.
- [c25] 26.The method of claim 21 wherein the outputting mod-

ule of the image transferring apparatus is USB OTG interface.

- [c26] 27. The method of claim 15 wherein the video transferring apparatus further comprises:
- a receiving module for receiving data from the mobile phone;
  - a control module for controlling the video transferring apparatus;
  - a transferring module for transferring data from the receiving module of the video transferring apparatus into a video signal; and
  - an outputting module for outputting the video signal transferred by the transferring module to the display device.
- [c27] 28. The method of claim 27 wherein the video transferring apparatus further comprises a memory for storing data received by the receiving module of the video transferring apparatus.
- [c28] 29. An image transferring apparatus for connecting to a computer and a mobile phone comprising:
- a housing;
  - a receiving module installed inside the housing for receiving data from the computer;
  - a memory installed inside the housing for storing data

from the computer;  
a control module installed inside the housing for controlling the image transferring apparatus; and  
an outputting module installed inside the housing for outputting data to the mobile phone.

- [c29] 30. The apparatus of claim 29 further comprising an image capturing module electrically connected to the control module of the image transferring apparatus for capturing an image.
- [c30] 31. The apparatus of claim 30 wherein the image capturing module is a digital camera for capturing digital image to the image transferring apparatus.
- [c31] 32. The apparatus of claim 29 wherein the receiving module of the image transferring apparatus comprises a receiving port for connecting to a transmit port of the computer and transmitting data to the transmit port of the computer.
- [c32] 33. The apparatus of claim 32 wherein the receiving port is USB interface.
- [c33] 34. The apparatus of claim 29 wherein the outputting module of the image transferring apparatus comprises an outputting port for connecting to a transmit port of the mobile phone and transmitting data to the transmit

port of the mobile phone.

[c34] 35.The apparatus of claim 34 wherein the outputting port is a pop-port interface.

[c35] 36.The apparatus of claim 34 wherein the outputting port is an USB OTG interface.

[c36] 37.The apparatus of claim 29 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone with the Bluetooth wireless network protocol.

[c37] 38.The apparatus of claim 29 wherein the outputting module of the image transferring apparatus transmits data to the mobile phone by infrared technology.